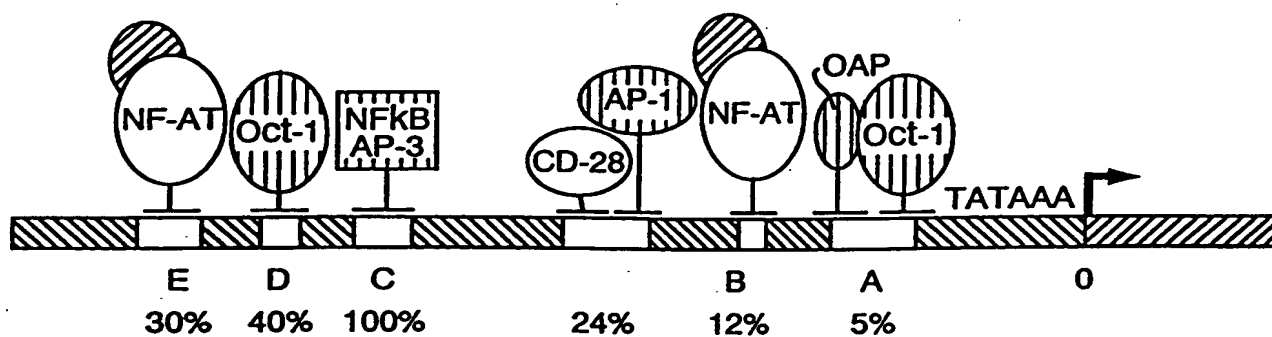


Fig. 1



IL-2 Enhancer

Fig. 2

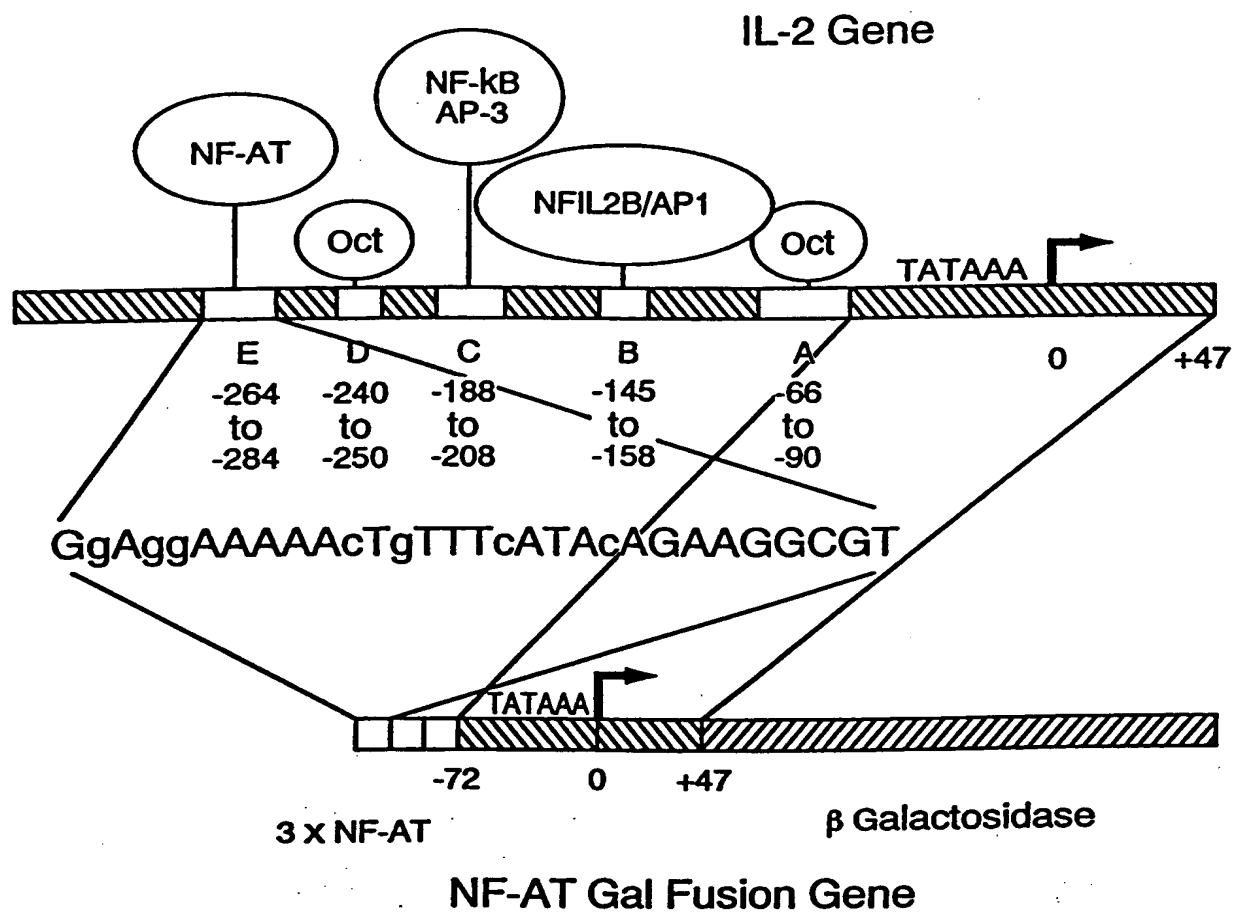


Fig. 3

FP J+ J- K+ K- F+ F- H T E C J- J+



Fig. 4

Cytoplasmic extract	-	-	ns	ns	ns	ns
anisomycin	-	-	-	-	+	+
Nuclear extract	s+Fs+F		s+Fs+Fs+Fs+F			
anisomycin	-	+	-	+	-	+



1 2 3 4 5 6

Fig. 5

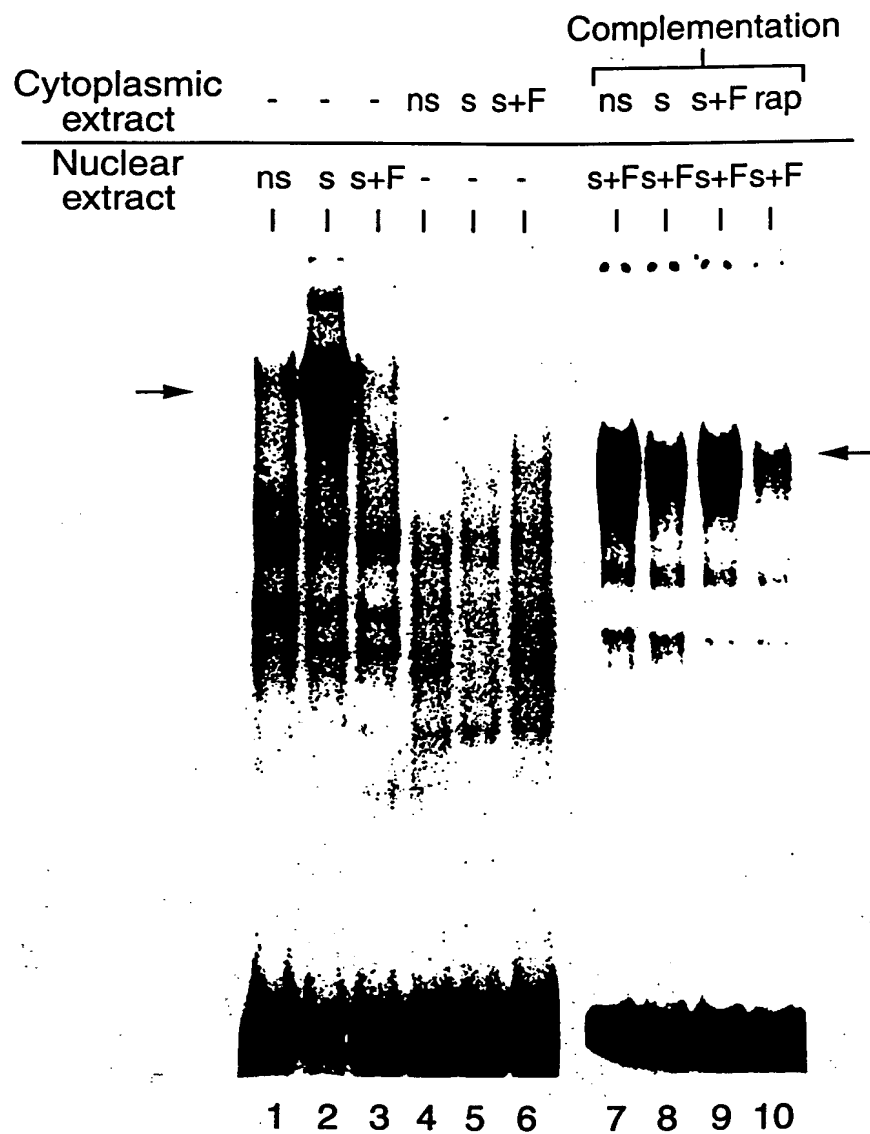


Fig. 6A

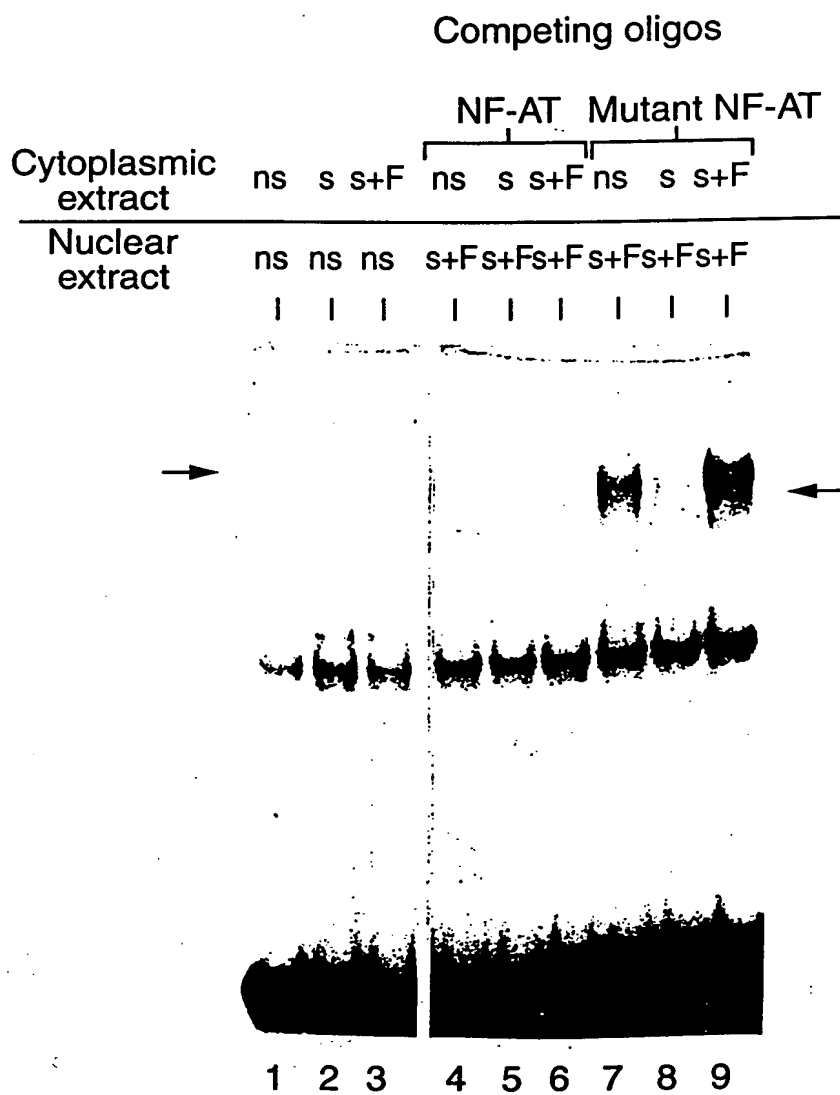
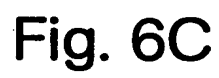
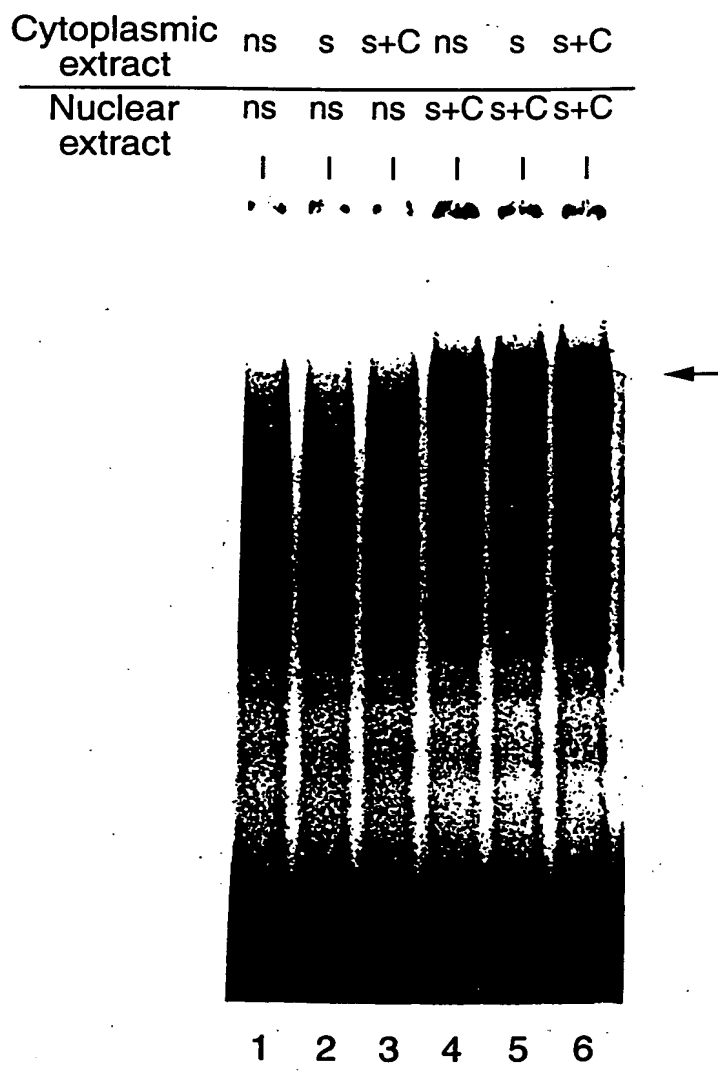


Fig. 6B



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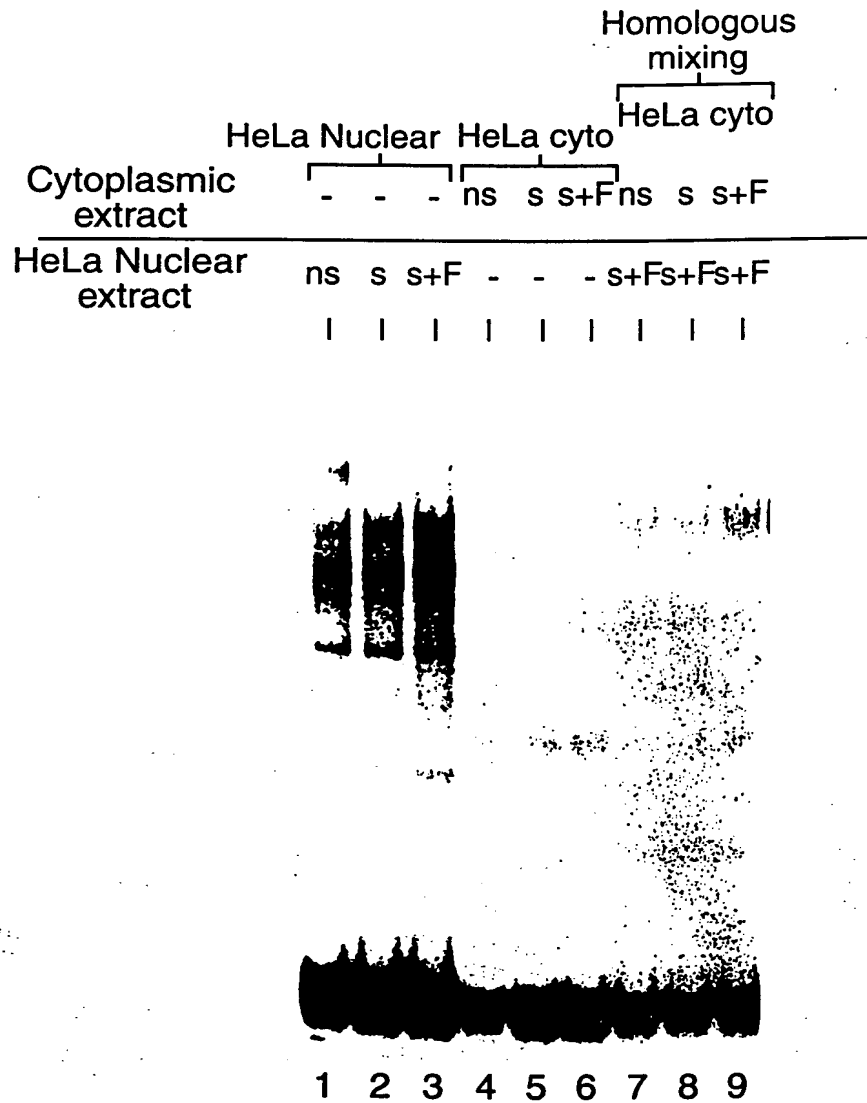


Fig. 7A

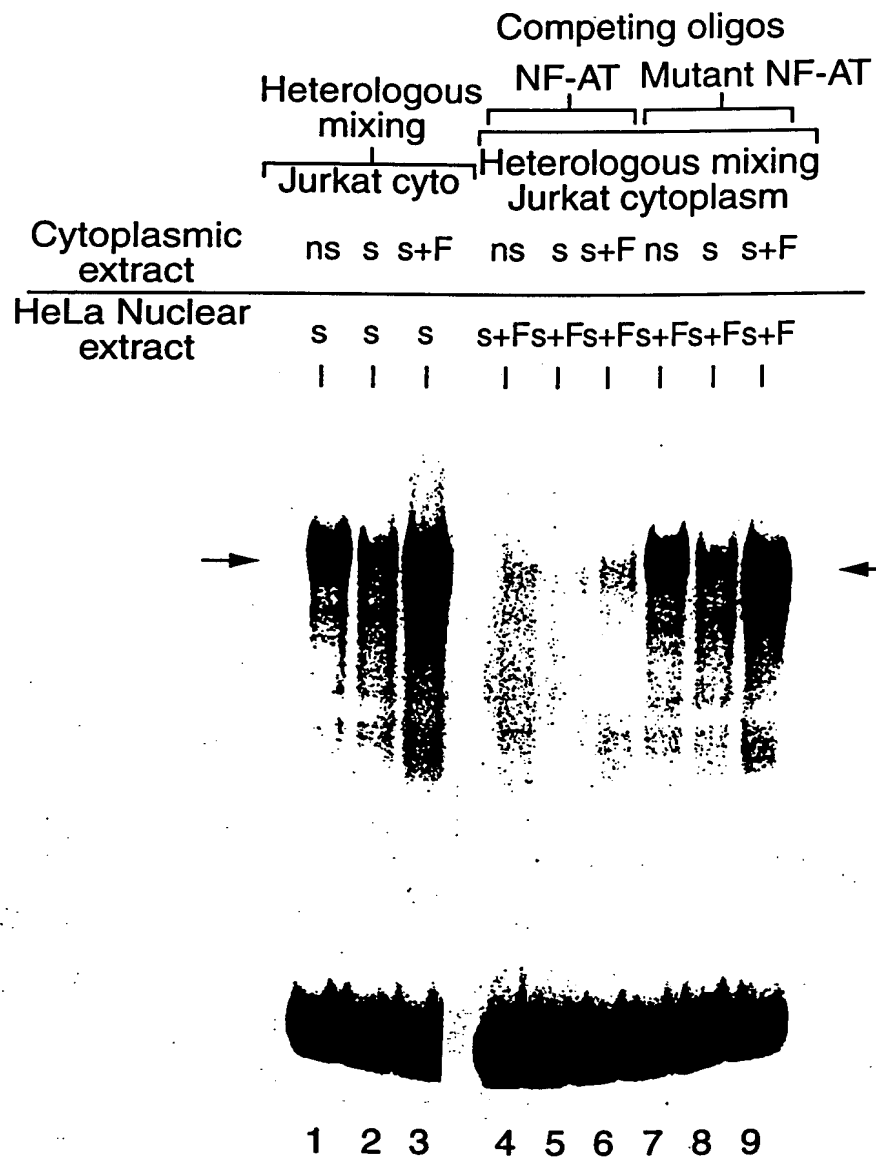


Fig. 7B

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	Heterologous mixing		
	HeLa cyto		
Cytoplasmic extract	ns	s	s+F
Jurkat Nuclear extract	s+Fs	Fs	F



1 2 3

Fig. 7C

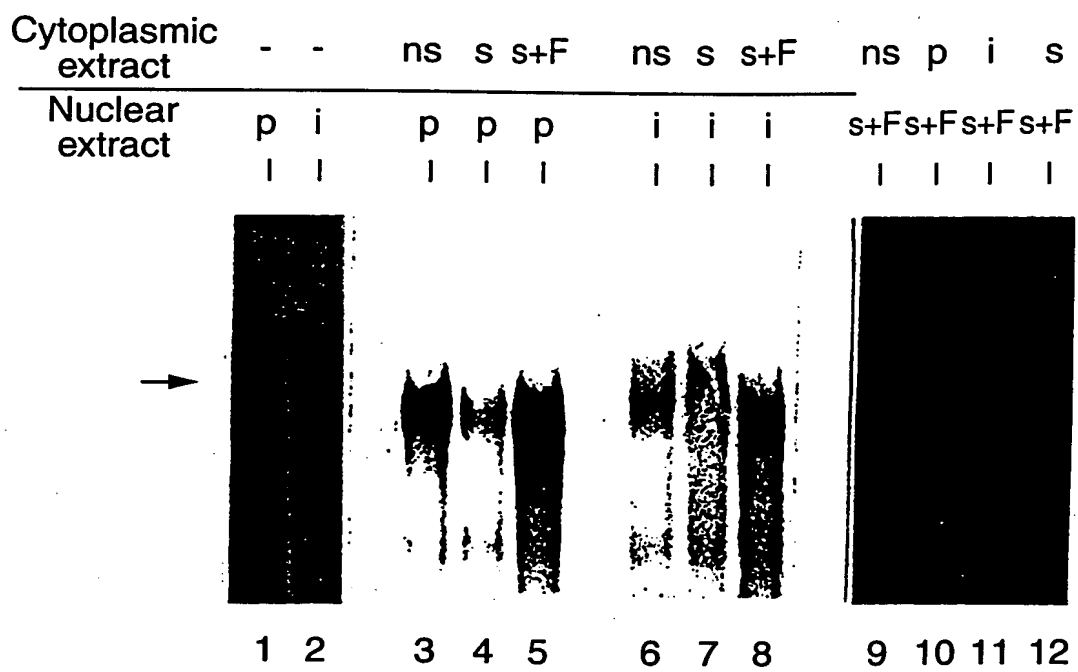


Fig. 8

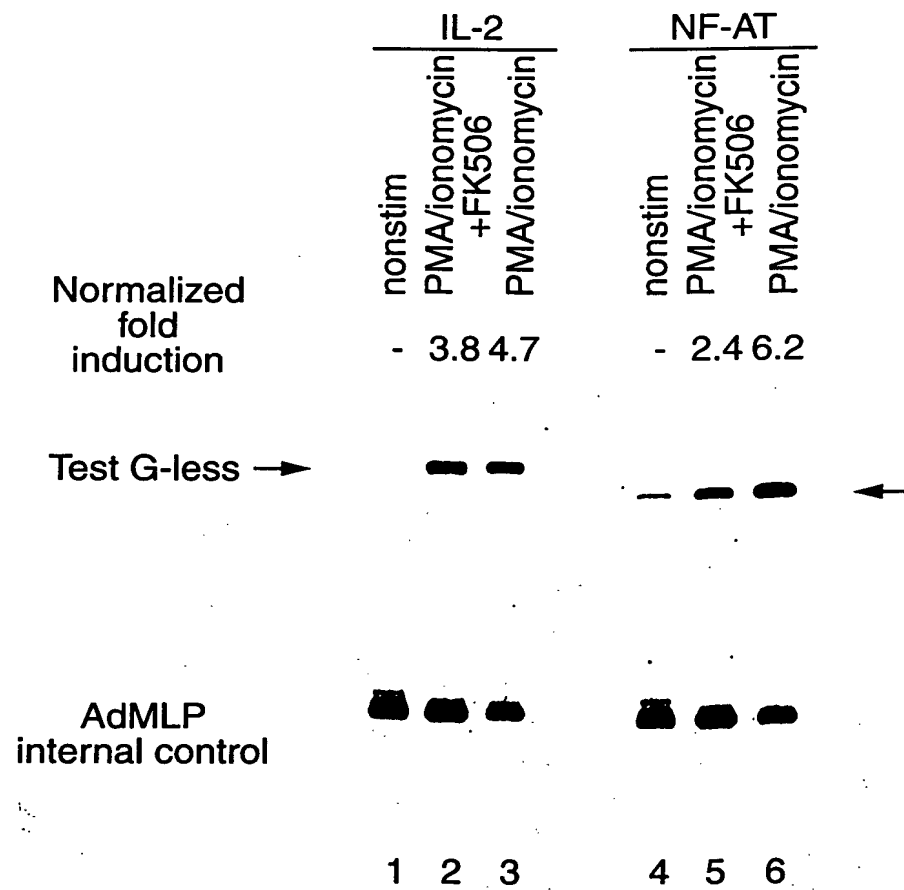


Fig. 9A

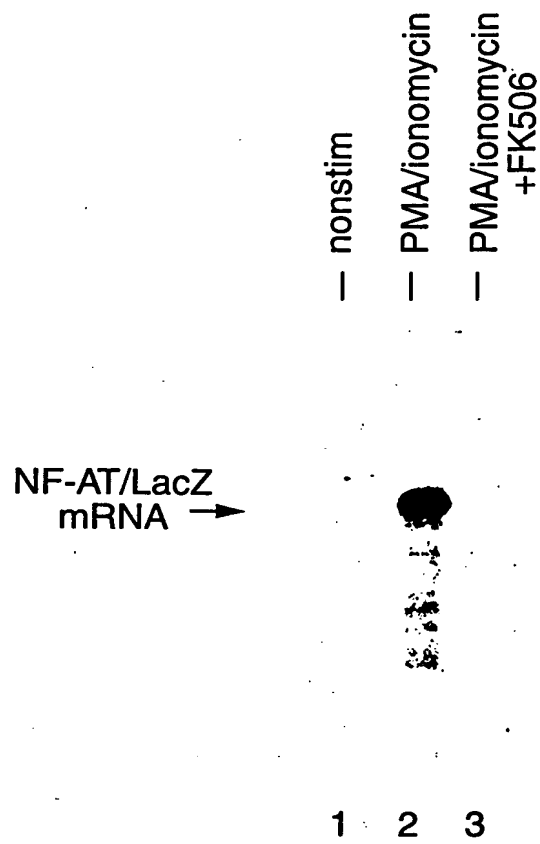


Fig. 9B

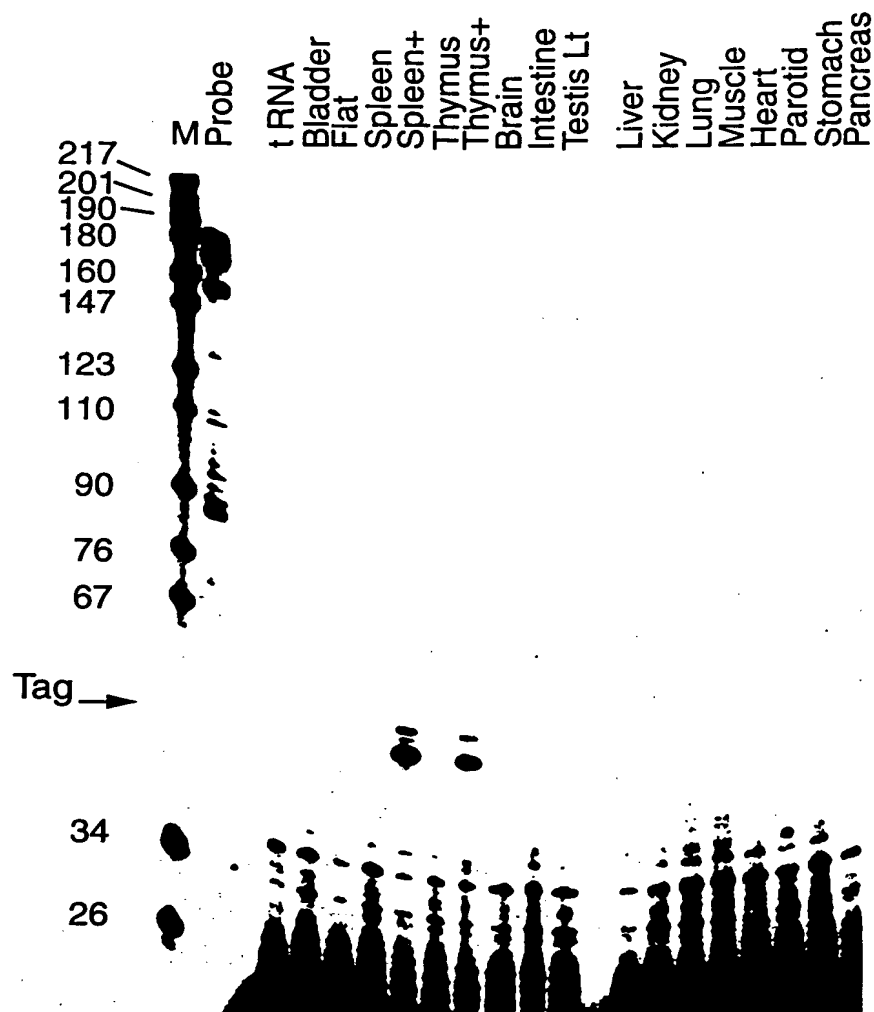


Fig. 10

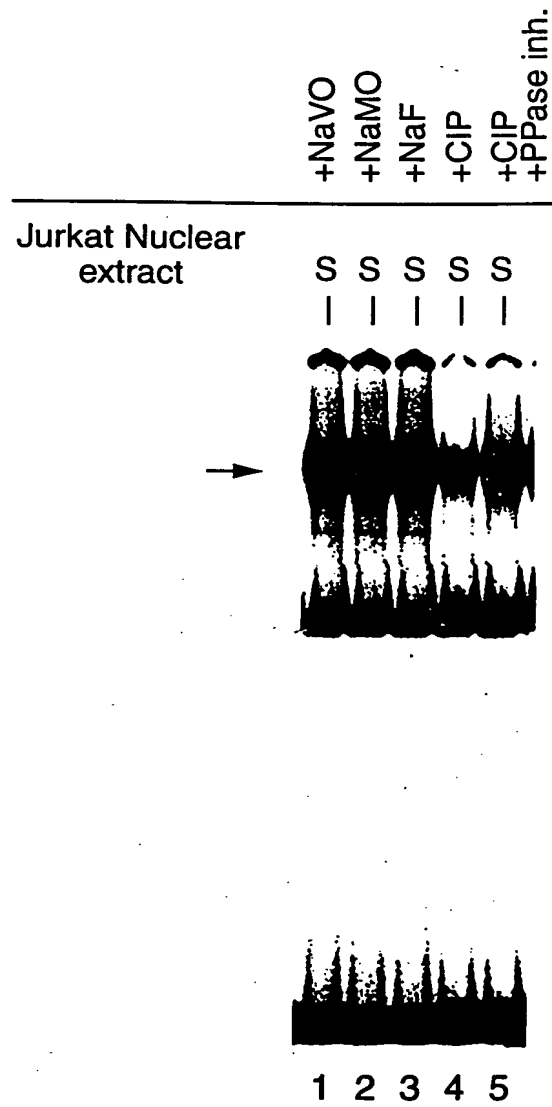


Fig. 11

Fig. 12A

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1210	1230	1250	1270	1290
ccgacagcagcctggacctgggagatggcgtccctgtcaagtcccgcaagaccacctggagcagccgacctcagtgccgctcaaggtggagcccgctcg				
322 D S S L D L G D G V P V K S R K T T L E Q P P S V A L K V E P V G 354				
1310	1330	1350	1370	1390
ggaggacctgggagccccccgccccggcgacttcgcgcccgaagactactcctctttccagcacatcaggaagggcggttctgcgaccagtacctg				
355 E D L G S P P P P A D F A P E D Y S S F Q H I R K G G F C D Q Y L 387				
1410	1430	1450	1470	1490
gcggtgccgagcaccctaccagtgggcaagcccaagccctgtcccctacgtcctacatgagcccgacctgccccctggactggcagctgccgt				
388 A V P Q H P Y Q W A K P K P L S P T S Y M S P T L P A L D W Q L P S 421				
1510	1530	1550	1570	1590
cccactcagggccgtatgagcttcggattgaggtgcagcccaagtcccaccaccagagccactacgagacggaggcgagccggggggccgtgaagcgctc				
422 H S G P Y E L R I E V Q P K S H H R A H Y E T E G S R G A V K A S 454				
1610	1630	1650	1670	1690
ggccggaggacccccatcgtgcagctgcattggtacttgagaatgagccgctgatgctgcagcttttcattgggacggcgagaccgctgctgcgc				
455 A G G H P I V Q L H G Y L E N E P L M L Q L F I G T A D D R L L R 487				
1710	1730	1750	1770	1790
ccgcagccttctaccaggtgcaccgcatcacagggaagaccgtgtccaccaccagccagggctatcctctccaacaccaaagtctggagatccac				
488 P H A F Y Q V H R I T G K T V S T T S H E A I L S N T K V L E I P L 521				
1810	1830	1850	1870	1890
tcctgccggagaaacagcatgcgagccgtcattgactgtgccgaatcctgaaactcagaaactccgacattgaacttcggaaaggagagacggacatcgg				
522 L P E N S M R A V I D C A G I L K L R N S D I E L R K G E T D I G 554				
1910	1930	1950	1970	1990
gaggaagaacacacgggtacggctggtgttccgcttcacgtcccgcacccagcggcgacgctgtccctgcaggtggcctccaaccccatcgaatgc				
555 R K N T R V R L V F R V H V P Q P S G R T L S L Q V A S N P I E C 587				
2010	2030	2050	2070	2090
tcccagcgtcagctcaggagctgcctctggtggagaagcagagcacggacagctatccggtcgtggcggaagaagatggtcctgtctggccacaact				
588 S Q R S A Q E L P L V E K Q S T D S Y P V V G G K K M V L S G H N F 621				
2110	2130	2150	2170	2190
tcctgcaggactccaaggtcattttcgtggagaaagccccagatggccaccatgtctgggagatggaagcgaaaactgacggggacctgtgcaagccgaa				
622 L Q D S K V I F V E K A P D G H H V W E M E A K T D R D L C K P N 654				
2210	2230	2250	2270	2290
ttctctggtggtgagatcccgccatttcggaatcagaggataaccagccccgttcacgtcagtttctacgtctgcaacgggaagagaaagcgaagccag				
655 S L V V E I P P F R N Q R I T S P V H V S F Y V C N G K R K R S Q 687				
2310	2330	2350	2370	2390
taccagcgtttcacctaccttcccgcacggtaacgccatctttctaaccgtaagccgtgaacatgagcgcgtggggtgcttttctaagacgcagaa				
688 Y Q R F T Y L P A N G N A I F L T V S R E H E R V G C F F 716				

Fig. 12B

2410 2430 2450 2470 2490
acgacgtcgcgtaaacgagcgtggcgtgttgacatttaactgtgtgatgtcccgttagtgagaccgagccatcgatgccctgaaaaggaaaggaaaag
2510 2530 2550 2570 2590
ggaagcttcggatgcattttccttgatccctgttgggggtggggggcgggggtgcatactcagatagtcacggttattttgcttcttgccaatgtataa
2610 2630 2650 2670 2690
cagccaaggggaaaacatggctcttctgtccaaaaaactgagggggtcctggtgtgcatttgaccctaagctgcttacggtgaaaaggcaaataggt
2710 2730 2750
atagctattttgcaggcaccttttaggaataaactttgcttttaaaaaaaa

Fig. 12C

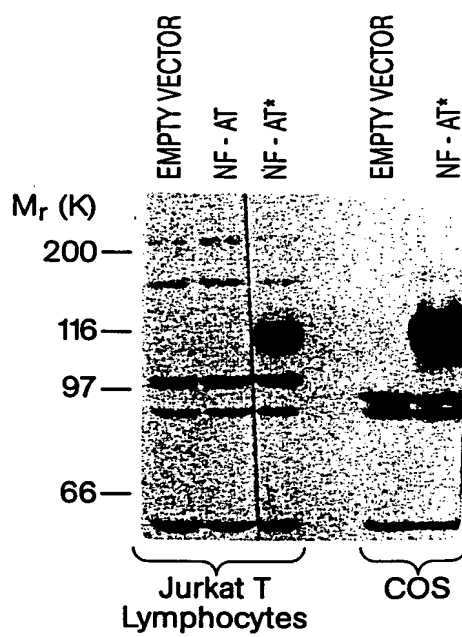


Fig. 13

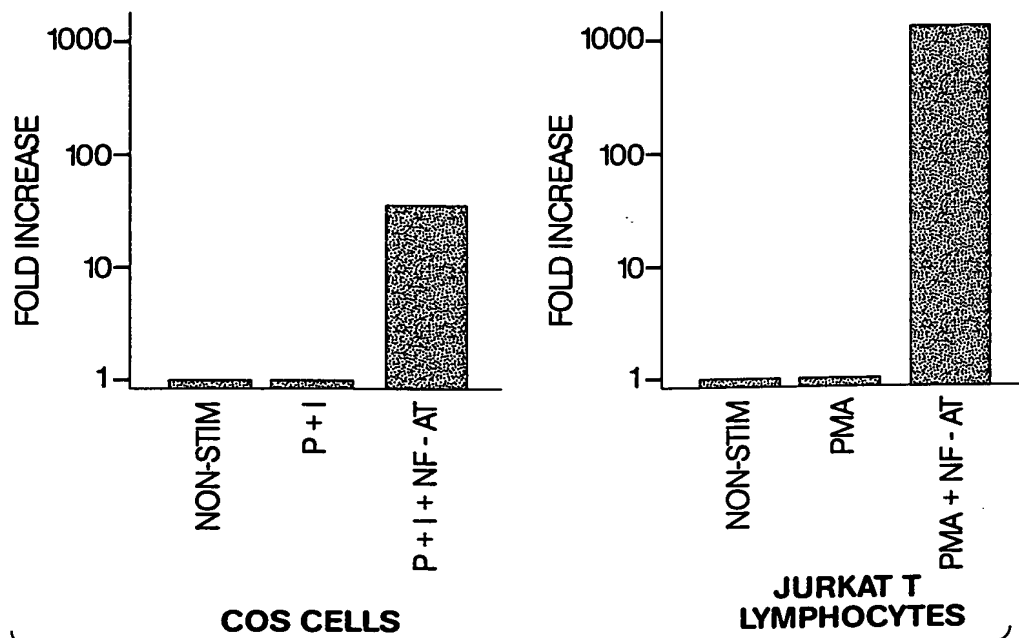


Fig. 14A

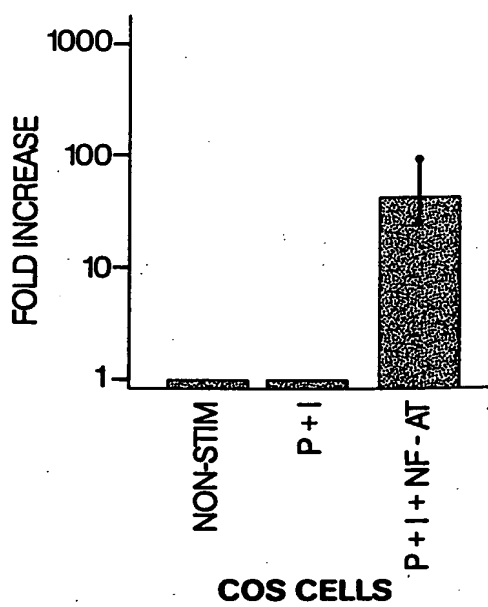


Fig. 14B

DMDORSAL	TKNV	KKPY	VKITE	-Q	PAG	KALR	FRYE	CEGR	SAGSI	P	GVNS	TPENKT
C-REL	MASGL	YNPI	IEIE	-Q	PRQ	RGMR	FRYK	CEGR	SAGSI	P	QEHST	DNNRT
NFKB p50	IPL	STD	GPYLQ	ILE	-Q	PKQ	RGFR	FRYV	CEGP	SHGGL	P	GASSEKNKKS
NFKB p65	EPAQA	SGPY	VEIE	-Q	PKQ	RGMR	FRYK	CEGR	SAGSI	P	GERST	DTTKT
NFATC	QLPS	SHSGPY	ELRIE	VQPKSH	-H	RAHY	ETEG	-SR	GA	VKASAGG	----	
NFATp	PLSNQ	SGSYELRIE	VQPKPH	-H	RAHY	ETEG	-SR	GA	VKAPTGG	----		

418 *

DMDORSAL	YPTIE	VGK	RAVV	VVSC	VTKD	TPYRP	-H	PHNL	VGKEGCK	-K	GVCTLEI	
C-REL	YPSIN	IMNY	YGRGK	VRIT	VTKND	PPYKP	-H	PHDL	VGKD	-C	RGYYEAEF	
NFKB p50	YQVK	ICNY	VGPAK	VIQ	VTNG	KNH	-H	AS	LVGKH	-C	EGVCTVTA	
NFKB p65	HP	TIK	INGY	TGPG	TVRIS	LVTKD	PPHRP	-H	PH	ELVGKD	-C	RGYYEADL
NFATC	HP	IVQL	HGYLE	NEP	LMLQL	FIGT	ADDRLL	RP	HAFYQV	-H	RTGKTVSTT	
NFATp	HP	VVQL	HGYMEN	KPL	GLQ	IFIGT	ADERIL	KP	HAFYQV	-H	RTGKTVTT	

458 *

DMDORSAL	NSE	-T	MR	AVFS	NLGI	QC	VKKK	DI	EAL	KAR	-E	EIRV	DP	FKTGF	SHRF	---
C-REL	GNE	-R	RP	LF	FN	LG	IR	CV	KKKE	VKEAI	I	TRIK	AG	-I	NPFN	---
NFKB p50	GPK	-D	MV	VG	FAN	LG	I	LHVT	-K	KKVF	ET	LE	ARM	TE	ACIR	GYNPGLLVHSDL
NFKB p65	CP	DRDS	IHS	FQNL	GI	QC	VKKR	DL	EQ	AI	S	-Q	RI	Q	TNN	PFH
NFATC	SH	E	-A	LS	NTK	VLE	I	PL	PENS	MRA	V	I	D	C	AGIL	KL
NFATp	SY	E	-K	I	V	NTK	VLE	I	PL	P	KNN	MRA	T	I	D	C

505 *

Fig. 15A

DMDORSAL
C-REL
NFKB p50
NFKB p65
NFATC
NFATp

-----QPSIDLNSVRLCFQVFMESQK
-----VPEKQLNDIE-----DCDLNVVRLCFQVFL-PDEH
AYLQAEAGGDRQLTDREKEIIRQAAVQTKEMDL[V]VRLMFTAFL-PDST
-----VPIEE-----QRGDYDLNAVRLCFQVTV-RDPA
-----DIE-----LRKGETDIGRKNTRVRLVFRVHV-PQPS
-----DIE-----LRKGETDIGRKNTRVRLVFRVHV-PEPS

543 * 572

DMDORSAL
C-REL
NFKB p50
NFKB p65
NFATC
NFATp

GRFTSPLPPVSEPIFDKKA--MSDLVICRL-CSCSATVFGNTQIILLCE
GNLTALPPVSNPIYDNRAPNTAELRICRV-NKNCGSVRGGDEIFLLCD
GSFTRRLPPVSDAIYDSKAPNASNLKIVRM-DRTAGCVTGGEEIYLLCD
GRPLL-LTPVLSHPIFDNRAPNTAELKICRV-NRNSGSCVLGGDEIFLLCD
GRTLS-L-QVASNPI-ECSQRSAAELPLVEKQSTDSYPVVGKKMVL-S-G
GRIVS-L-QAASNPI-ECSQRSAAHELPMVERQDMDSCLVYGGQQMILT-G

573 * 618

DMDORSAL
C-REL
NFKB p50
NFKB p65
NFATC
NFATp

KVAKEDISVRFEEKNGQ-SVWEAFGDFQHTDVHKQTATFTKTPRYHTLD
KVQKDDIEVRFVL-----NDWEAKGIFSQADVHRQVAIVFKTPPYCK-A
KVQKDDIQIRFYEEENG-GVWEGFGDFSPTDVHRQFAIVFKTPKYKDVN
KVQKEDIENVYFTG-----PGWEARGSFSAADVHRQFAIVFRTPPYADPS
HNFLLQDSKVI FVEKAPDGHVWEMEAKT-DRDLCKPNSLVVEI PPFNRQR
QNFTAESKVV FMEKTTDGGQIWEMEATV-DKDKSQPNMLFVEIPEYRNKH

* 619 * 667

Fig. 15B

*710

*
*

*

899

Diagram illustrating the relative similarity regions for NFATc and NFATp. The top bar represents NFATc, with segments labeled 1, 418, 710, and 716. The bottom bar represents NFATp, with segments labeled 1(?), 228, 520, and 890. A diagonal line connects the end of the top bar to the start of the bottom bar. The label "REL SIMILARITY REGION" is positioned between the two bars.

Fig. 15C

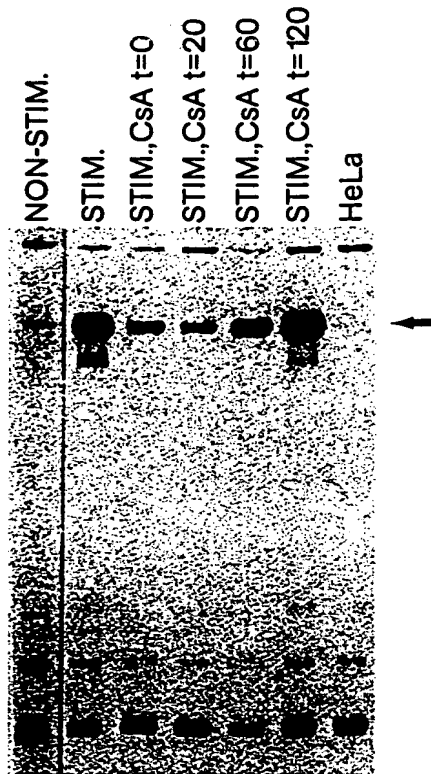


Fig. 16A

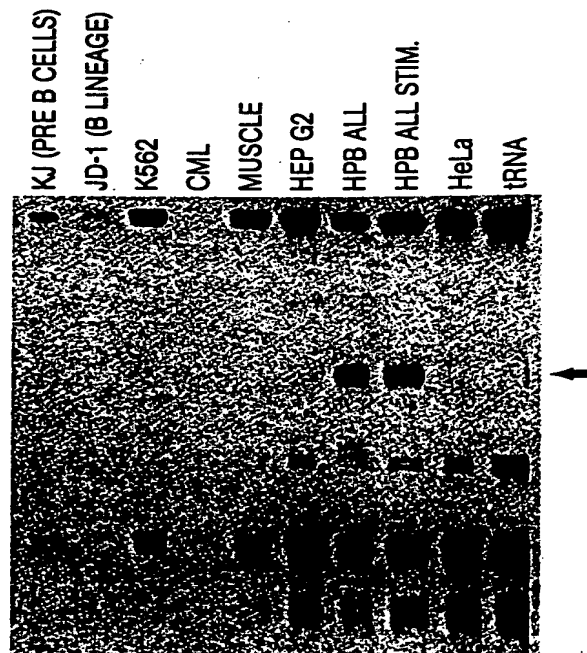


Fig. 16B

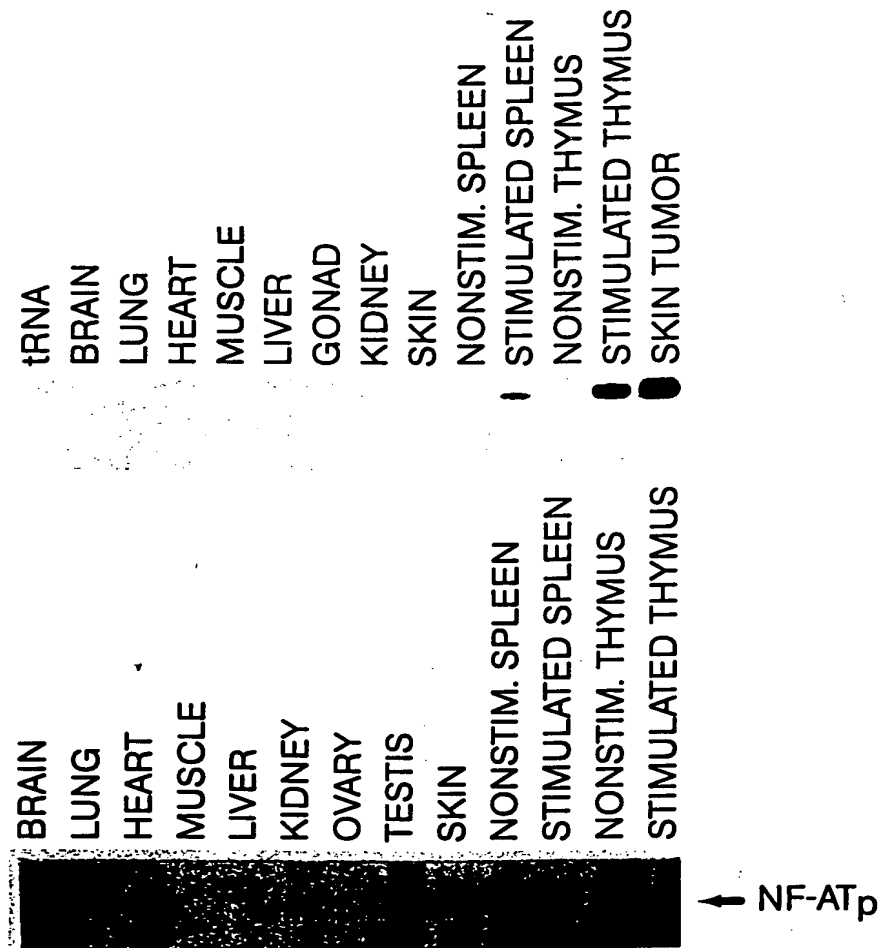


Fig. 16C

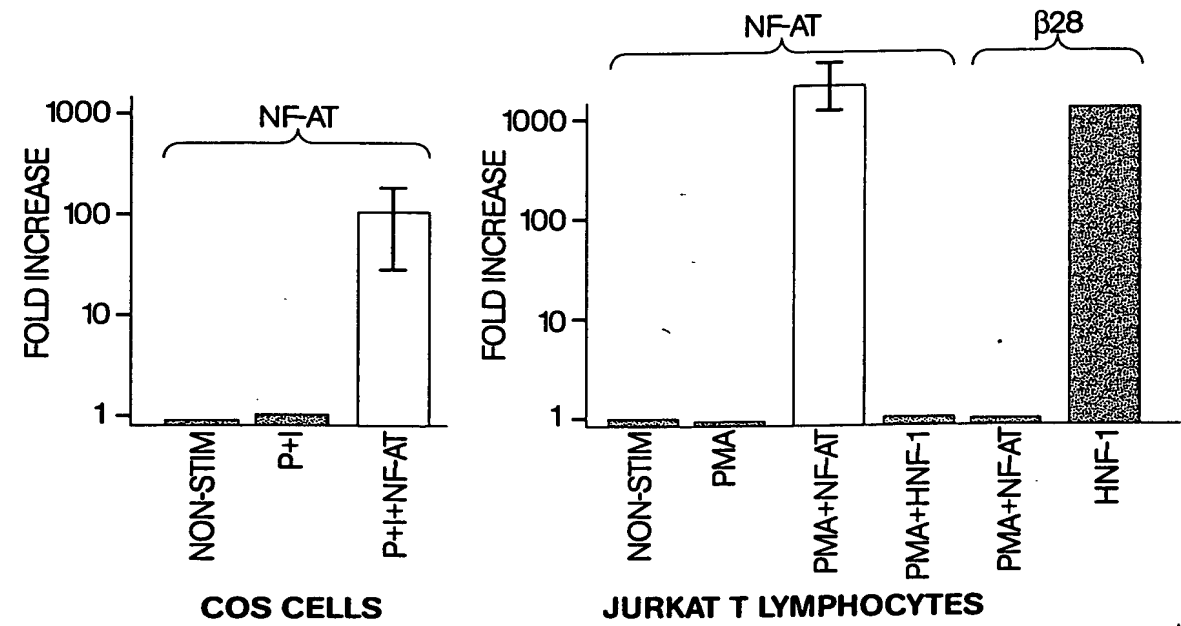


Fig. 17A

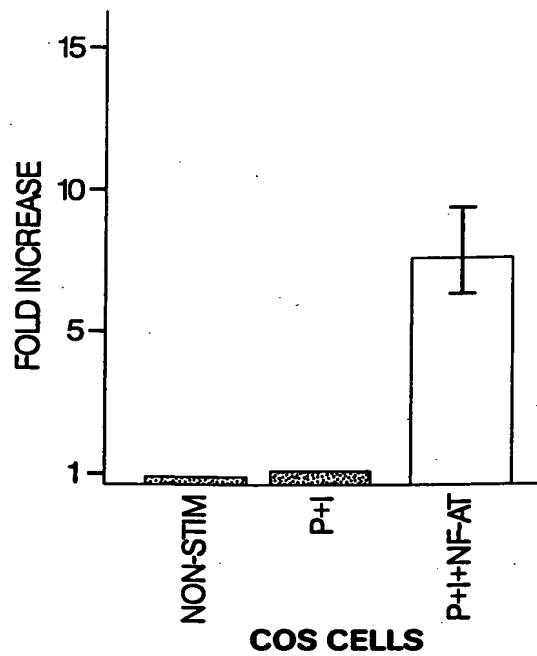


Fig. 17B

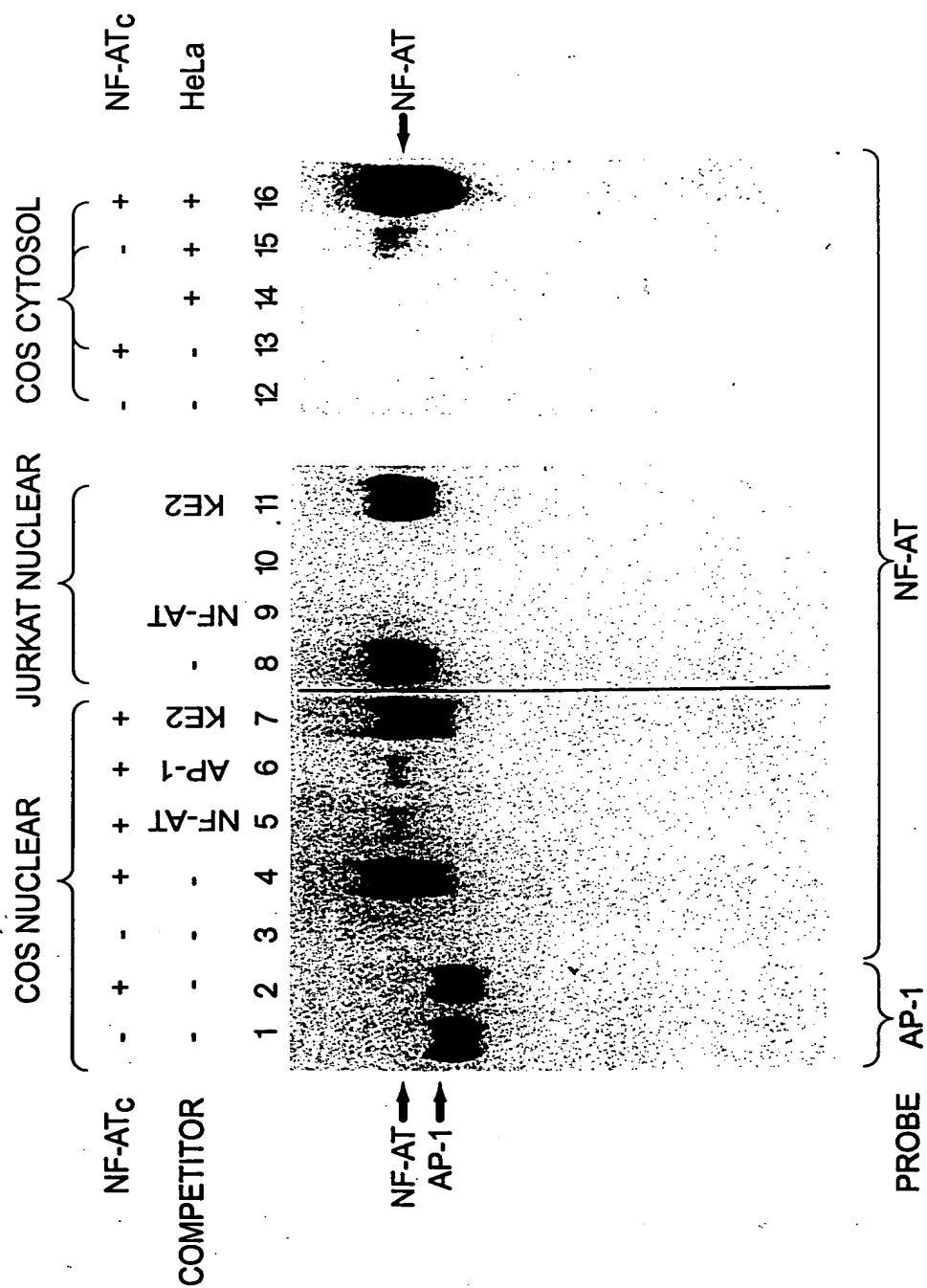


Fig. 17C

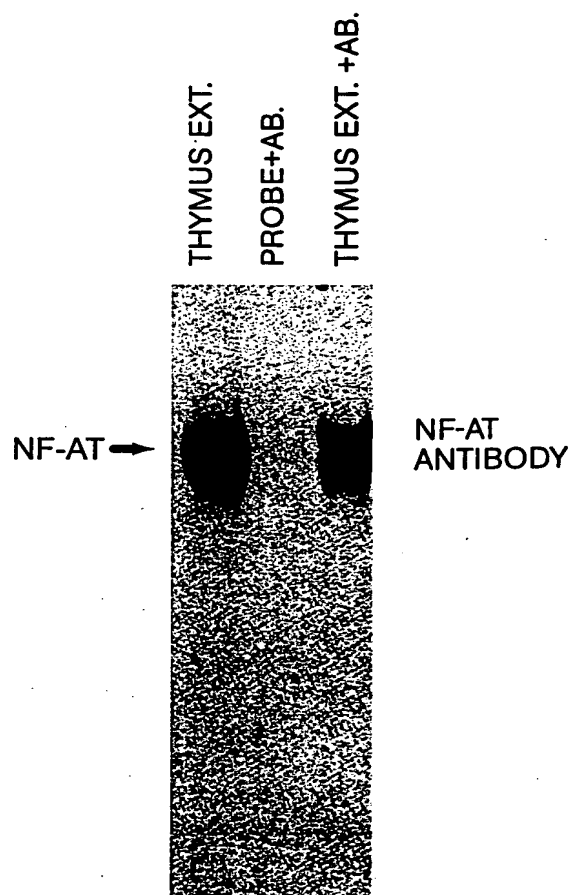


Fig. 17D

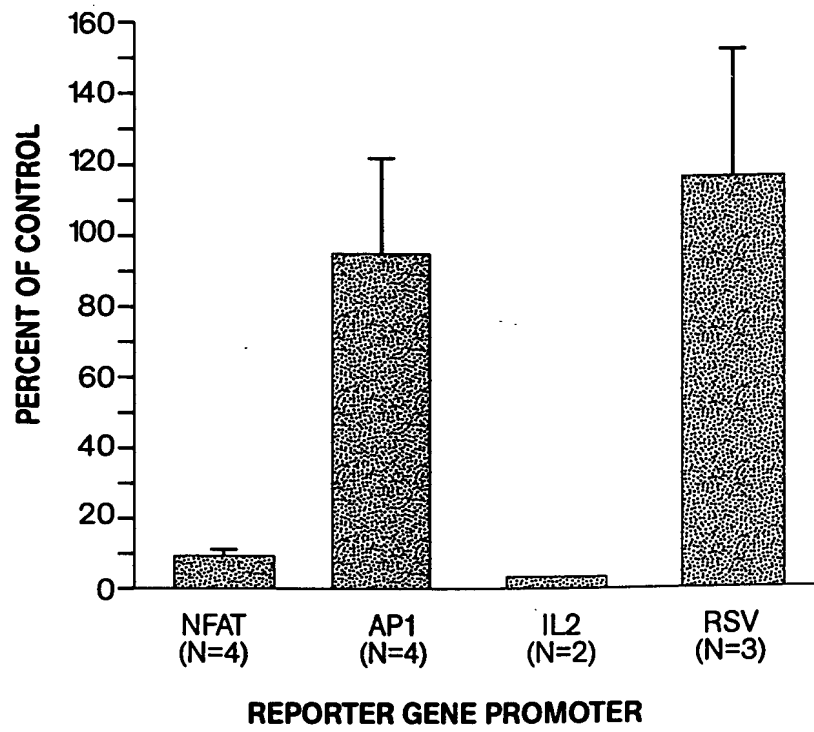


Fig. 18

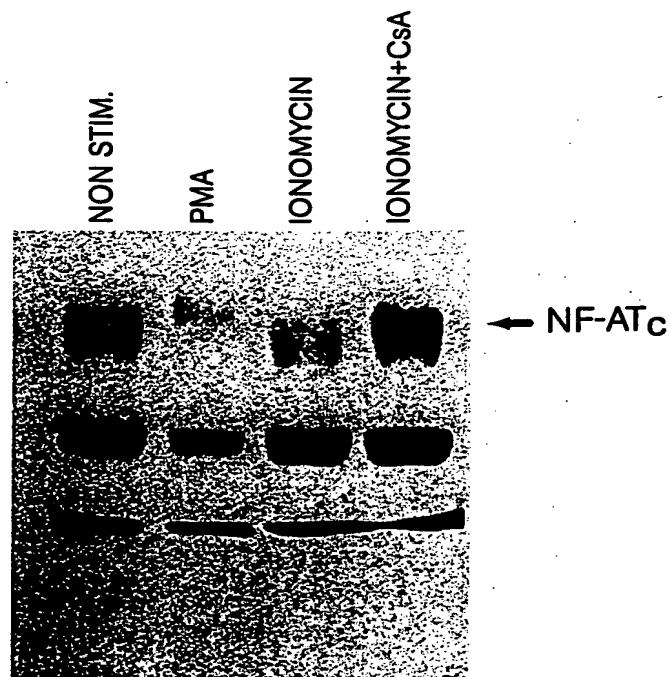


Fig. 19